



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL 40 060563 210

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

Britton Robert B.

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

T-67-N, R-10-E

03 CITY

Willow Hill Twnshp

04 STATE

05 ZIP CODE

06 COUNTY

IL

62450

Jasper

07 COUNTY CODE

09

08 CONG DIST

19

09 COORDINATES

LATITUDE

LONGITUDE

38 59 45

088 03 59

Newton 15' Quad (213)

10 DIRECTIONS TO SITE (Starting from nearest public road)

See Attached Map

III. RESPONSIBLE PARTIES

01 OWNER (if known)

J.M. Neal

02 STREET (Business, mailing, residential)

R.R. #2

03 CITY

Willow Hill

04 STATE

05 ZIP CODE

06 TELEPHONE NUMBER

IL

62480

UNK

07 OPERATOR (if known and different from owner)

Robert B. Britton

08 STREET (Business, mailing, residential)

Box 515

09 CITY

Oney

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

IL

62450

UNK

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE

☐ B. FEDERAL

☐ C. STATE

☐ D. COUNTY

☐ E. MUNICIPAL

☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: MONTH DAY YEAR

☐ B. UNCONTROLLED WASTE SITE (RCRA 103) DATE RECEIVED: MONTH DAY YEAR

☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☐ YES

DATE

MONTH DAY YEAR

☒ NO

BY (Check all that apply)

☐ A. EPA

☐ B. EPA CONTRACTOR

☐ C. STATE

☐ D. OTHER CONTRACTOR

☐ E. LOCAL HEALTH OFFICIAL

☐ F. OTHER:

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☐ A. ACTIVE

☐ B. INACTIVE

☒ C. UNKNOWN

03 YEARS OF OPERATION

ENDING YEAR

BEGINNING YEAR

UNK

☒ D. UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Oily Waste (Toxic)

Heavy Metals (Soluble/Toxic/Persistent)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Ground Water (Population/Environment)

Surface Water (Environment)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH

(Inspection required promptly)

☒ B. MEDIUM

(Inspection required)

☐ C. LOW

(Inspect on site available basis)

☐ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

02 OF (Agency/Organization)

03 TELEPHONE NUMBER

04 PERSON RESPONSIBLE FOR ASSESSMENT

05 AGENCY

06 ORGANIZATION

07 TELEPHONE NUMBER

08 DATE

Richard Lange

EPA

HSCS

217-782-6760

08/22/85

09 DATE

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

10 DATE

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

11 DATE

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

12 DATE

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

13 DATE

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

14 DATE

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

15 DATE

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

16 DATE

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

17 DATE

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

18 DATE

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

19 DATE

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

20 DATE

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

MONTH DAY YEAR

EPA Region 5 Records Ctr.



296520



I HIGHLY VOLATILE  
J EXPLOSIVE  
K REACTIVE  
L INCOMPATIBLE  
M NOT APPLICABLE

## EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

ILD 06D 563 210

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A GROUNDWATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED 400

02 ☐ OBSERVED (DATE \_\_\_\_\_)  
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

Highly soluble brine waste placed for disposal in unlined lagoon. This practice has impacted private wells at similar facilities.

01 ☒ B SURFACE WATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED Unk

02 ☐ OBSERVED (DATE \_\_\_\_\_)  
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

Ground-water discharge to Surface Water Area subject to possible flooding.

01 ☐ C CONTAMINATION OF AIR  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE \_\_\_\_\_)  
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ D FIRE/EXPLOSIVE CONDITIONS  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE \_\_\_\_\_)  
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ E DIRECT CONTACT  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE \_\_\_\_\_)  
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☒ F CONTAMINATION OF SOIL  
03 AREA POTENTIALLY AFFECTED: Unk

02 ☐ OBSERVED (DATE \_\_\_\_\_)  
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

Loss of production (Ag land) & damage to soil structure has been noted at similar sites.

(See J following) (See 05 Other following)

01 ☒ G DRINKING WATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED 400

02 ☐ OBSERVED (DATE \_\_\_\_\_)  
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

See A above

01 ☐ H WORKER EXPOSURE/INJURY  
03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE \_\_\_\_\_)  
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ I POPULATION EXPOSURE/INJURY  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE \_\_\_\_\_)  
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL D060503 210

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

The near sterilization of soils (>5 acres), Attributed to increased soil salinity, has been noted at other similar sites.

(See F Above) (See 05 other following)

01 ☐ K. DAMAGE TO FAUNA

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION (Specify number(s) of species)

01 ☐ L. CONTAMINATION OF FOOD CHAIN

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

(Spills runoff, leaking tanks, leaking drums)

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Site was infrequently inspected by regulatory agencies, Facility has now been backfilled making illegal dumping hard to detect.

06 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Denuding of soils by brines is deemed leading cause of soil erosion in several IL counties.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 400

IV. COMMENTS

Britton Robert B.  
1205 E. Elm St.  
Olney, IL 62450

Information as appears  
on ERRIS (L-4)

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

S.I.A. study

## EXECUTIVE SUMMARY

This site has been placed in the ERRIS data base as a result of its selection for Phase II evaluation during the federally funded Surface Impoundment Assessment (SIA) study of 1980. During ERRIS placement the operator name and business address were utilized from the SIA which results in deviations from ERRIS for actual site location, Part I section II items 02 through 08 of form 2070-12. This use of operator name and address has also led to one (1) ERRIS listing representing, in actuality, from one (1) to one hundred eight (108) actual brine pits at an equal number of separate locations.

Some considerable effort has been expended to select the site with highest, Phase II SIA, pollution potential where multiple sites are represented by a single ERRIS listing. One must keep in mind that the Phase II SIA represents no more than 7 percent of the brine pits identified in Illinois. Phase I identified more than 3200 pits where Phase II evaluated a random selection of less than 220. One must also maintain a realization that phase II pollution potential was determined by bench top study with little or no actual site visitation or monitoring.

Minimal to no file information exists on this site beyond that contained in Phases I and II of the SIA. There is no direct evidence of hazardous waste disposal at this site beyond the potentially hazardous constituents of Illinois Basin brines, but with only annual inspections by Illinois Mines and Minerals staff relevant to oil production practices and recent backfilling of most brine pits in Illinois, disposal of off site material of unknown nature is possible. A literature review and laboratory analysis of samples from two other sites indicate concern for contamination of groundwater/surface water by Sodium, Sulfate, Chloride etc. (Non-Hazardous Constituents), concern for heavy metals (i.e., Chrome, Vanadium, Barium) and long chain hydrocarbons.

A question arises as to the addressability of the heavy metals by CERCLA when one considers 40 CFR section 300.6 "Definitions - Federally Permitted Release (i)" and Section 101(10) of CERCLA. The statement "and which are reinjected" seems to allow CERCLA action, but interpretation and clarification by USEPA legal staff seems required. The long chain hydrocarbons would appear to be included in the exclusion given to crude oil and fractions thereof under 40 CFR section 300.6 "Definitions-Hazardous Substance" and 101(14) of CERCLA.

A medium priority has been assigned due to the potential impact of this site on groundwater in a rural area where private wells are generally the sole source for potable water. Similar sites have impacted private wells to a point requiring users to seek alternative sources for drinking water. A site inspection should be scheduled to verify/update owner-operator information and gain more thorough site specific information.

RML:bf/22

